

Amendments to the Claims

1 Claim 1 (currently amended): A computer-implemented method of providing autonomic
2 content load balancing, comprising:

3 defining a plurality of alternative versions of a Web page to be served,~~along with~~
4 ~~values of one or more conditions under which each of the alternative versions should be~~
5 ~~selected;~~

6 defining, for the Web page, a plurality of factors, wherein the factors comprise at least
7 one of: processing load on a server that serves the Web page and traffic load on a network on
8 which the Web page is served;

9 creating a mapping, for the Web page, between each of the alternative versions and
10 particular values for each of the plurality of factors, thereby defining when each of the
11 alternative versions is to be selected for serving;

12 specifying, in a markup language document defining the Web page, a syntax extension
13 and a placeholder for a subsequently-selected one of the alternative versions, wherein the
14 syntax extension comprises an identification of each of the defined factors;

15 subsequently receiving, at the server from a client, a request for the Web page; and
16 responsive to receiving the request, analyzing the syntax defining the Web page to
17 determine whether the syntax extension is specified therein, and if so:

18 obtaining the identification of each of the defined factors from the specified
19 syntax extension;

20 dynamically determining, by the server, a current~~values of the conditions~~ value

21 for each of the factors for which the identification is obtained;
22 consulting the mapping, using the dynamically determined current values, to
23 determine which ~~select~~ one of the alternative versions is selected for serving;
24 replacing the placeholder with the selected one of the alternative versions; and
25 serving the markup language document defining the Web page to the client as a
26 response ~~selected version of the Web page, responsive to the request.~~

1 Claim 2 (currently amended): The computer-implemented method according to Claim 1,
2 wherein each of the alternative versions comprises content of the Web page represented using
3 a different media type.

Claims 3 - 12 (canceled)

1 Claim 13 (new): The computer-implemented method according to Claim 1, wherein the
2 factors further comprise: a number of active users of the server; available network bandwidth
3 between the client and the server; average round-trip time for messages between the client and
4 the server; processing capacity at the server; a number of available servers for serving the Web
5 page.

1 Claim 14 (new): A computer-implemented method of providing autonomic content load
2 balancing, comprising:

3 defining, for a Web page comprising a plurality of different portions, a plurality of
4 alternative versions for at least two of the portions;

5 defining, for each of the at least two portions, a plurality of factors, wherein the factors
6 comprise at least one of: processing load on a server that serves the Web page and traffic load
7 on a network on which the Web page is served;

8 creating a mapping, for each of the at least two portions, between each of the
9 alternative versions of that portion and particular values for each of the plurality of factors,
10 thereby defining when each of the alternative versions of that portion is to be selected for
11 serving;

12 specifying, in a markup language document defining the Web page, a syntax extension
13 for each of the at least two portions and a placeholder for a subsequently-selected one of the
14 alternative versions of that portion, each of the syntax extensions comprising an identification
15 of each of the factors defined for that portion and an identifier corresponding to that portion;

16 subsequently receiving, at the server from a client, a request for the Web page; and

17 responsive to receiving the request, analyzing the syntax defining the Web page to
18 determine whether the syntax specifies any of the syntax extensions, and if so, processing each
19 of the specified syntax extensions by:

20 obtaining the identification of each of the defined factors, and the identifier
21 corresponding to the portion, from the specified syntax extension;

22 dynamically determining, by the server, a current value for each of the factors
23 for which the identification is obtained;

24 consulting the mapping for the portion to which the obtained identifier
25 corresponds, using the dynamically determined current values, to determine which one of the
26 alternative versions of that portion is selected for serving;
27 replacing the placeholder for the portion to which the obtained identifier
28 corresponds with the selected one of the alternative versions of that portion; and
29 upon completion of processing each of the specified syntax extensions, serving
30 the markup language document defining the Web page to the client as a response to the
31 request.